

PROJECT TITLE : COMPUTER AND INSTRUMENTATION
SUPPORT GROUP

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Automation of the Smoking Laboratory (Project COLDAC)

The final version of the data base, whose structure has just been established, will be installed on the HP 1000. The analytical values of about 100 recent analyses will be introduced manually into the new data base layout for specialized simulation work. The latter will enable us to optimize the time of answering during querying and the preparation of complete reports. At present the programmes for editing a standard analysis sheet for routine analyses and trials are being completed. Our group is now developing special programmes for editing the TLA reports.

The results of the automatic preparation of bar codes (code INTERMEC 39) on the graphic printer have proved to be excellent. The programmes written in FORTRAN, whose purpose is to check thoroughly the HP 2631 G printer, permit 8 stickers a minute to be produced for one 7-position alphanumerical sample code. The stickers produced by the printer have also a written code with a 19-character line for a comment which facilitates product identification.

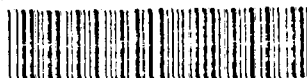
In conjunction with the users, we are currently studying a system allowing automatic recognition by the computer of the completed analytical sheets. The end of analysis function is obtained by direct comparison of the list of measurements which have to be made for a given brand with the presence of a certain number of results for the same brand in the data base. The reference list is read directly in the specification file at the time of sample preparation in the laboratory.

The presence of an end of analysis function, controlled by the computer, permits more efficient data exchange with the EDP centre. The head of the laboratory will also be able to check more precisely how far the analyses of his laboratory's samples have progressed.



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FRN6789 TEST PROGRAMME LAB1



Example of a sticker with 19-character line for a comment

0000143813